



GREELEY AND HANSEN

6640 Intech Boulevard, Suite 180
Indianapolis, Indiana 46278
p 317 924 3380
f 317 925 3811
www.greeley-hansen.com

September 22, 2009

Mr. David Henderson
Wastewater Treatment Utility Director
City of West Lafayette
500 S. River Road
West Lafayette, IN 47906

Subject: North Side Regional Lift Station and Force Mains
Engineering Services Agreement

Dear Mr. Henderson:

Enclosed are four copies of the proposed Agreement covering design of the North Side Regional Lift Station and Force Mains Project. If the Agreement meets with your approval and the Board's approval, please have the Board members execute the Agreement and forward one copy of the documents to me.

If you have any questions about anything in the Agreement, please give me a call.

We appreciate the opportunity to provide engineering services to the City of West Lafayette.

Yours very truly,

Greeley and Hansen LLC

Joseph Teusch, P.E.
Associate

Enclosures

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

Between

CITY OF WEST LAFAYETTE, INDIANA

and

GREELEY AND HANSEN LLC

Article I. PARTIES AND PROJECT

This AGREEMENT is made effective on the _____ day of _____ in the year 2009 between the City of West Lafayette, Indiana, hereinafter referred to as CITY, and Greeley and Hansen LLC, an Illinois limited liability company, with its principal office at 100 South Wacker Drive, Chicago, Illinois 60606-4004, and a regional office at 6640 Intech Boulevard, Suite 180, Indianapolis, Indiana 46278, hereinafter referred to as ENGINEER, for professional engineering services in connection with the North Side Regional Lift Station and Force Mains, the PROJECT.

Article II. ENGINEER'S SERVICES

ENGINEER shall provide appropriate professional engineering services as required to complete the scope of services as set forth hereinafter, and shall perform such services in conformance with the ordinary standards of care and skill of the engineering profession.

A. Basic Services

The basic services under the PROJECT are set forth in Exhibit A, attached hereto and made a part of this AGREEMENT. ENGINEER shall not perform services beyond the scope as defined in Exhibit A, without prior written authorization of CITY.

B. Additional Services

ENGINEER may submit proposals for additional professional engineering services in connection with the PROJECT. Each proposal submitted shall detail: (1) scope of additional services, (2) period of services, and (3) method and amount of compensation.

CITY shall provide written acceptance and authorization to ENGINEER prior to the commencement of work on any proposed additional services. Upon receipt by ENGINEER of written acceptance and authorization by CITY, each proposal for additional services in connection with the PROJECT shall become part of this AGREEMENT and shall be governed by the terms and conditions contained herein.

C. Period of Services

Engineer agrees that the basic design services as described in Exhibit A will be substantially complete in accordance with the following schedule:

| <u>Basic Services Milestones</u> | <u>Completion Time Months from Notice to Proceed</u> |
|----------------------------------|--|
| Contract Documents | 7 |

The period of services will begin upon the date of CITY'S written notice to proceed. ENGINEER shall not, however, be responsible for timely completion of basic services as agreed to herein if completion is delayed by the failure of CITY to furnish the services provided for under Article IV. hereof in a timely manner, or for other reasons beyond the control of the ENGINEER.

ENGINEER further agrees that additional services will be substantially complete within the period specified in each accepted and authorized proposal for additional services unless reasons for delay in completion are beyond the control of ENGINEER.

If ENGINEER'S basic services or any accepted and authorized additional services are delayed or suspended in whole or in part by the CITY for more than ninety days beyond the scheduled completion date for said milestone or additional services for reasons beyond ENGINEER'S control, compensation for the delayed services, as provided in Article III. hereunder, shall be subject to renegotiation upon the written request of ENGINEER. Such request must, however, be submitted by ENGINEER to the CITY prior to the completion of the delayed services.

Article III. ENGINEER'S COMPENSATION

ENGINEER shall perform professional engineering services as provided in Article II. of this AGREEMENT for which CITY shall compensate ENGINEER as follows:

A. Basic Services

1. Personnel Services

ENGINEER shall be compensated for personnel services on the basis of actual annual average hourly rates paid to personnel assigned to the PROJECT for each hour of services rendered times a 3.2 factor to cover overhead and profit. Such rates shall be computed as actual annual base salary, in effect at the time the services are rendered, divided by 1,950 hours. Personnel services rates shall include applicable required overtime premium for covered employees.

2. Subconsultants and Other Professional Associates

CITY shall pay ENGINEER for the services of subconsultants and other professional associates at their invoiced fees to ENGINEER plus 5 percent.

3. Reimbursable Direct Costs

CITY shall pay ENGINEER the actual cost of any direct reimbursable expenses incurred in connection with performing the services

B. Additional Services

Unless otherwise provided for in any accepted and authorized proposal for additional services, such services shall be compensated for on the same basis as provided for in Paragraph III. A. above for basic services.

C. Total Compensation

Total compensation to ENGINEER for basic services under this AGREEMENT shall include full reimbursement for personnel services, overhead, subconsultants and other professional associates and reimbursable direct costs incurred in performing basic services plus profit. It is agreed that the total compensation to ENGINEER for performing basic services will not exceed the total compensation as set forth in Exhibit B, without prior approval of CITY.

The provisions of this Article III. C. shall also apply to each accepted and authorized proposal for additional services in connection with the PROJECT. However, the term "basic services", as used in this Article III. C., shall mean "additional services" and the terms "Exhibits A" and "Exhibit B" as used in this Article III. C. shall mean "the accepted and authorized proposal for additional services". The estimated compensation for any additional services, and the completion date beyond which these amounts are subject to renegotiation, shall be as specified in each such authorized proposal.

D. Terminated Services

If this AGREEMENT is terminated, ENGINEER shall be paid for services performed to the effective date of termination as follows:

1. For personnel services, the hours of services rendered at the established rates, to the effective date of termination times the factors established herein.
2. For services of subconsultants and other professional associates, their invoiced fees to ENGINEER, for services to the effective date of termination plus 5 percent.
3. For reimbursable direct costs, the actual cost of direct reimbursable expenses incurred to the effective date of termination.

E. Conditions of Payment

1. Progress payments shall be made in proportion to services rendered and expenses incurred as indicated within this AGREEMENT and shall be due and owing within thirty days of ENGINEER'S submittal of his progress payment invoices.

2. If CITY fails to make payments due ENGINEER within sixty days of the submittal of any progress payment invoice, ENGINEER may, after giving fifteen days written notice to CITY, suspend services under this AGREEMENT.
3. No deduction shall be made from ENGINEER'S compensation on account of penalty, liquidated damages or other sums withheld from payments to construction contractors.
4. If the PROJECT is delayed, or if ENGINEER'S services for the PROJECT are delayed or suspended for more than ninety days for reasons beyond ENGINEER'S control, ENGINEER may, after giving fifteen days written notice to CITY, request renegotiation of compensation under Article II. C. or may terminate this AGREEMENT.

Article IV. CITY'S RESPONSIBILITIES

The CITY shall, as required:

- A. Guarantee full and free access to ENGINEER to enter upon all public and private property required for the performance of ENGINEER'S services under this AGREEMENT.
- B. Assist ENGINEER by placing at ENGINEER'S disposal all available information pertinent to the PROJECT including CITY maps and plats, previous reports, drawings, specifications and any other data relative to the design or construction of the PROJECT.
- C. Furnish to ENGINEER property and land use data pertaining to the PROJECT available to the CITY including, but not limited to, property, boundary, easement, right-of-way, topographic and utility surveys; property descriptions; zoning, deed and other land use restrictions; and other related data.
- D. Provide legal, insurance and financial consulting services necessary for the PROJECT, and such accounting and auditing services as the CITY may require.
- E. Furnish permits and approvals from all governmental authorities having jurisdiction over the PROJECT and from others as may be necessary for completion of the PROJECT.

- F. Furnish above record information, property and land use data, and services at CITY'S expense in such manner that ENGINEER may rely upon them in the performance of services under this AGREEMENT.
- G. Designate in writing a person to act as CITY'S representative with respect to the services to be performed under this AGREEMENT. Such person shall have complete authority to transmit instructions, receive information, interpret and define CITY'S policies and decisions with respect to materials, equipment, elements and systems pertinent to ENGINEER'S services.
- H. Examine all studies, reports, sketches, drawings, specifications, proposals and other documents presented by ENGINEER and render in writing decisions pertaining thereto within a reasonable time so as not to delay the services of ENGINEER. Render such decisions in a consolidated form reconciling differing views into an unambiguous single firm response to each matter requiring resolution.
- I. Provide ENGINEER with prompt written notice of any defect or suspected defect in ENGINEER'S performance of any services rendered pursuant to this AGREEMENT or relating to the PROJECT.
- J. In any agreement entered into between the CITY and other contractors for the PROJECT in which such contractors and their subcontractors agree to indemnify or provide insurance coverage to the CITY, the contractors and subcontractors shall be required to indemnify and provide insurance coverage to Greeley and Hansen LLC, its subconsultants, professional associates, and each of their partners, officers, and employees to the same extent as to the CITY. Furthermore, the CITY will provide ENGINEER with certificates of insurance from each such contractor or subcontractor.

- K. Give prompt written notice to ENGINEER whenever the CITY observes or otherwise becomes aware of any development that affects the scope or timing of ENGINEER'S services, or any defect in the work of construction contractors.
- L. Compensate ENGINEER in accordance with the provisions of Article III.

Article V. GENERAL PROVISIONS

A. Ownership of Documents

All reports, schedules, drawings, specifications and other products of services of ENGINEER for this PROJECT are instruments of service for this PROJECT only and shall remain the property of ENGINEER until the CITY has compensated ENGINEER in full for services rendered pursuant to the AGREEMENT. Upon final payment for each phase of Basic Services and for each separately accepted and authorized proposal for additional services, ownership of the products or instruments of service for said phase or additional services authorized shall be vested in the CITY. ENGINEER, however, may retain record copies of all such instruments of service and may use such for ENGINEER'S exclusive purposes. Reuse of any of the instruments of service of ENGINEER by the CITY on extensions of this PROJECT or any other project shall be at the CITY'S sole risk and the CITY agrees to defend, indemnify and hold harmless ENGINEER from all claims, damages, and expenses including attorney's fees arising out of reuse of ENGINEER'S instruments of service by the CITY or by others acting through the CITY.

B. Data on Electronic Media

Data delivered on electronic media are considered part of the ENGINEER'S instruments of service.

The submitted CADD data files are intended to work only as described in this AGREEMENT. The data files will be in AutoCAD 2009 designed for operation on a PC compatible computer under the Windows operating system.

The software and operating system releases will be those currently in use by the ENGINEER.

The ENGINEER makes no warranty as to the compatibility of electronic files beyond those releases. However, the ENGINEER reserves the right to submit files in releases newer than

those currently used by the ENGINEER. The ENGINEER shall not be held responsible for uses of the data outside of or beyond the scope of this AGREEMENT.

Any use or reuse of text or CADD data on electronic media by the CITY or others, without written verification or CADD adaption by the ENGINEER for the specific purpose intended, will be at the CITY'S sole risk and without liability or legal exposure to the ENGINEER. Furthermore, CITY agrees to defend, indemnify and hold harmless ENGINEER from all claims, damages and expenses, including attorneys' fees, arising out of or resulting therefrom.

Computer based spreadsheets and models delivered under this AGREEMENT are intended for the CITY'S future use. However, because spreadsheets and models may be changed by any future user, ENGINEER will not be held liable for the completeness or correctness of spreadsheets and models after an acceptance period of 30 days from delivery of the electronic files. CITY accepts full responsibility for all future use of the spreadsheets and models and agrees to defend, indemnify and hold harmless ENGINEER from all claims, damages and expenses, including attorney's fees, arising out of or resulting therefrom.

Because data stored on electronic media can deteriorate undetected or be modified without the ENGINEER'S knowledge, the CITY agrees that the ENGINEER will not be held liable for the completeness or correctness of data on electronic media after an acceptance period of 30 days from delivery of the electronic files. The ENGINEER remains responsible for the printed text, spreadsheet and model results and sealed drawings delivered all of which shall govern in case of conflict with the electronic files.

Electronic files shall be submitted to the CITY for a 30-day acceptance period. During this period, CITY may review and examine these files and any errors detected during this time will be corrected as part of the basic agreement. Any changes requested after the acceptance period will be considered additional services to be performed as provided in the subsection of this AGREEMENT titled "Additional Services."

ENGINEER shall not be responsible for maintaining copies of electronic files after the close of the acceptance period.

C. Successors and Assigns

1. The CITY and ENGINEER each binds himself and his partners, successors, executors, administrators, assigns and legal representatives to the other party to this AGREEMENT and to the partners, successors, executors, administrators, assigns and legal representatives of such other party, in respect to all covenants, agreements and obligations of this AGREEMENT.
2. Neither the CITY nor ENGINEER shall assign or transfer any rights under or interest in this AGREEMENT without the written consent of the other, except as stated in Article V. B. 1. and except to the extent that the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this AGREEMENT. Nothing contained in this paragraph shall prevent ENGINEER from employing such independent subconsultants and associates as may be deemed appropriate to assist in the performance of services hereunder.

D. Changes in Scope and Revisions

The general category "additional services", referred to in Article II. B. may include services due to changes in the scope of the PROJECT, including, but not limited to, changes in size, complexity, schedule or character of the services and also may include revisions to instruments of service previously approved by the CITY or other revisions due to causes beyond the control of ENGINEER. All changes in scope and revisions shall require the written acceptance and authorization of the CITY prior to commencement of work, as provided in Article II. B.

Proposals for services pursuant to changes in scope or revisions shall, upon CITY'S acceptance and authorization, become part of this AGREEMENT and shall be governed by the terms and conditions contained herein.

E. Extent of AGREEMENT

This AGREEMENT represents the entire understanding and agreement between the CITY and ENGINEER for professional engineering services pertaining to the PROJECT as described in Article II. and supersedes all prior negotiations, representations or agreements, either written or oral. This AGREEMENT may be amended only by written instrument signed by both the CITY and ENGINEER.

F. No Waiver

Failure of the ENGINEER or the CITY to insist upon strict and punctual performance of any terms or conditions of this AGREEMENT shall not be construed to constitute a waiver of, or estoppel against, asserting the rights to require such performance. Neither shall a waiver nor an estoppel in one instance constitute a waiver or an estoppel with respect to a later default, whether similar or dissimilar in nature.

G. Severability

If any part of this AGREEMENT is determined by a court to be in conflict with statute or constitution or to be unlawful for any reason, the parties intend that the remaining provisions of this AGREEMENT shall remain in full force and effect unless the stricken provision leaves the remaining AGREEMENT unenforceable.

H. Governing Law

This AGREEMENT shall be governed by the laws of the State of Indiana.

I. Subconsultants

During the performance of the AGREEMENT, ENGINEER may engage such additional subconsultants or professional associates as may be appropriate for the timely completion of the services or to meet applicable requirements. The engagement of any subconsultants shall be subject to the prior approval of the CITY.

J. Insurance

ENGINEER shall acquire and maintain:

1. Statutory worker's compensation insurance coverage.
2. Commercial general liability insurance coverage with a limit of \$1,000,000 or more per occurrence and annual aggregate applicable to bodily injury and property damage claims.
3. Professional liability insurance coverage with an annual aggregate limit of at least \$1,000,000.

K. Indemnification

CITY and ENGINEER each agree to indemnify and hold the other harmless, and their respective officers, employees, agents and subcontractors, from and against liability for all claims, losses, damages and expenses, including reasonable attorneys' fees, to the extent such claims, losses, damages, or expenses are caused by the indemnifying party's negligent acts, errors or omissions. In the event claims, losses, damages or expenses are caused by the joint or concurrent negligence of CITY and ENGINEER, they shall be born by each party in proportion to its negligence. Notwithstanding the above, neither the CITY nor ENGINEER shall have the right of recourse to the other party for any consequential damages incurred due to the fault of the CITY or the ENGINEER, their employees, agents, or subcontractors, irrespective of any forewarning of potential for such damages arising.

L. Termination

This AGREEMENT may be terminated by the CITY without cause on thirty days written notice. If the PROJECT is delayed, or if ENGINEER'S services for the PROJECT are

delayed or suspended for more than ninety days for reasons beyond ENGINEER'S control, ENGINEER may request renegotiation of compensation in accordance with the provisions of Articles II. and III. or, after giving fifteen days written notice, terminate this AGREEMENT with cause. In the event of substantial failure to perform in accordance with the terms of this AGREEMENT, the party not at fault may terminate the AGREEMENT with cause on ten days written notice. If this AGREEMENT is terminated, ENGINEER shall be compensated for services performed to the effective date of termination in accordance with the provisions of Article III. of this AGREEMENT. Within sixty days following the date of receipt of the termination notice, and following receipt of compensation for services to date of termination, ENGINEER shall submit to the CITY copies of all reports, drawings, specifications and other products or instruments of service prepared prior to termination.

M. Remedies

Except as may be otherwise provided in this AGREEMENT, all claims, counter-claims, disputes and other matters in question between the CITY and ENGINEER arising out of or relating to this AGREEMENT or the breach thereof will be decided by arbitration if the PARTIES mutually agree or in an Indiana court of competent jurisdiction. In the event litigation is commenced to enforce any term or condition of this agreement, the prevailing party shall be entitled to costs and expenses of litigation including reasonable attorney's fees.

N. Non-Discrimination and Equal Employment

ENGINEER acknowledges that it is in compliance with the prohibitions against discrimination in employment and with the provisions for equal employment opportunities as provided by CITY'S ordinances, and that the ENGINEER does not, on the grounds of race, color, national origin, religion, sex, age, handicap or marital status, discriminate in any form or manner against the ENGINEER'S employees or applicants for employment. Any violation of this paragraph shall be grounds for termination of this agreement.

O. Notices

Any notices required hereunder or by law may be directed to the parties at the following addresses:

To ENGINEER:

Mr. Paul J. Vogel
Principal
Greeley and Hansen LLC
100 South Wacker Drive, Suite 1400
Chicago, IL 60606-4004

To CITY:

Mr. David S. Henderson
Wastewater Treatment Utility Director
City of West Lafayette
500 South River Road
West Lafayette, IN 47906

All notices shall also be given to:

Mr. Eric H. Burns
Withered Burns & Persin, LLP
8 North Third Street, Suite 401
P.O. Box 499
Lafayette, Indiana 47902

All notices shall be deemed to be given when deposited with the United States Postal Service for first class mail delivery.

Article VI. APPROVAL

In WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their duly authorized officers and partners and is made effective the day and year first above written.

GREELEY AND HANSEN LLC



Paul J. Vogel

Principal

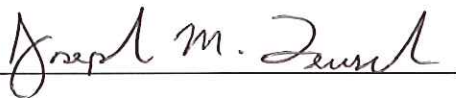
CITY OF WEST LAFAYETTE, INDIANA

BOARD OF PUBLIC WORKS AND SAFETY

John R. Dennis

President

ATTEST:



Joseph M. Teusch

Associate

Sana G. Booker

Member

Bradley W. Marley

Member

ATTEST:

Judith C. Rhodes

Clerk-Treasurer

EXHIBIT A

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES
between
CITY OF WEST LAFAYETTE, INDIANA
and
GREELEY AND HANSEN LLC

**SCOPE OF ENGINEERING SERVICES FOR
NORTH SIDE REGIONAL LIFT STATION AND FORCE MAIN**

ENGINEER shall provide professional engineering services in connection with the design of the proposed North Side Regional Lift Station to be located in the Purdue Research Foundation business park. The lift station will be submersible type with a single story control building approximately 20 feet by 25 feet designed to contain the required pump control and metering equipment, variable speed drives and packaged generator set. The business park contains other structures designed with attention to image and aesthetics, and the new control building will be designed to fit within the architectural context. Additionally, the proposed structure will incorporate LEED design principles related to materials, reuse, sourcing, etc. to improve sustainability and environmental sensibility. The scope of services will also include the design of 5,600 feet of 8-inch force main (to serve the business park and surrounding areas in the near-term) and 3,500 feet of 8-inch and 12-inch force mains which extend to the Yeager Road and Kalberer Road intersection (for the ultimate development condition). A future project will be required to extend the 8-inch and 12-inch force mains to the Western Interceptor to meet the sewer capacity requirements for ultimate development of the lift station service area.

Figure 1 shows the proposed regional lift station service area, including the near-term and long-term wastewater infrastructure needed as development occurs. The structures and pipelines shown in solid lines represent the facilities proposed for construction today with the dashed lines representing pipelines to be constructed in future years.

ENGINEER's services under this AGREEMENT will consist of the following major tasks:

1.0 GENERAL

1.1 Project Plan. Prepare a detailed project plan of work, including assignments, files and monitoring schedule and budget.

1.2 Progress Meetings. Conduct up to five progress meetings with City to obtain input regarding technology selection, and operation and maintenance requirements. Progress meetings will also review the technical aspects of the project, project cost, schedule projections and financing. Prepare meeting notes and distribute. This will also include up to two meetings with PRF consultant to coordinate City lift station design with the research park development.

2.0 PRELIMINARY DESIGN

2.1 General and Equipment. Confirm numbers, types, sizes and capacities of process elements from the Collection System Master Plan Update. Prepare preliminary site plan showing grading plan and locations of structures, roads and walks.

2.2 Architectural. Summarize applicable building code requirements. Describe architectural criteria, including proposed exterior and interior finishes. Develop preliminary architectural plan and elevation rendering for the proposed control building.

2.3 Heating, Ventilating, Air Conditioning and Fire Protection. Summarize heating, ventilating, air conditioning and fire protection design criteria.

2.4 Electrical. Summarize power requirements. Coordinate with Cinergy regarding needed incoming electrical service. Define electrical, standby power and lighting design criteria. Prepare preliminary one-line diagrams and preliminary front elevation drawings for motor control center.

2.5 Structural. Summarize structural and foundation design criteria.

2.6 Instrumentation and Control. Summarize instrumentation and control requirements, including remote monitoring needs.

2.7 Force Main. Determine near-term force main alignment from the lift station to the Kalberer Road sanitary sewer. Determine long-term force main alignment from the lift station to the Western Interceptor. Analyze the capacity of the Kalberer Road sanitary sewer to receive near-term flows from the lift station.

2.8 Force Main – Surge Analysis. Conduct hydraulic analyses to optimize pipe size versus pumping head. Conduct hydraulic transient analyses for the force main, including recommendations for control of transients.

2.9 Survey. Arrange for and provide, through a subcontract, a ground survey of the lift station site and force main alignment. The survey information shall consist of the following:

- Establish a temporary benchmark on the lift station site from an established existing monument.
- Verify critical elevations and locations of existing structures and sewers.
- Provide a topographical survey including utilities survey along the force main route.
- Prepare legal descriptions and exhibits for permanent and temporary easements for up to three parcels.

2.10 Geotechnical Report. Arrange for and provide, through a subcontract, a geotechnical investigation for the design and construction of the lift station and force main based on a minimum of 10 soil borings.

2.11 Preliminary Cost Opinion. Prepare a preliminary construction cost opinion for the project at 30 percent of final design.

3.0 FINAL DESIGN

3.1 Drawings. Prepare Drawings for use, together with the Specifications, for soliciting competitive bids.

3.2 Specifications. Prepare Specifications for use, together with the Drawings, for soliciting competitive bids.

3.3 Final Cost Opinion. Upon completion of the Drawings and Specifications, prepare a final construction cost opinion.

3.4 Permit Assistance. Assist with the preparation of permit applications and address permit review comments with the following agencies:

- Indiana Department of Environmental Management
- Tippecanoe County Soil & Water Conservation District
(Storm Water Pollution Prevention Plan)

All plan review and permitting fees will be paid by the City.

4.0 BID ASSISTANCE

4.1 Bidder Inquires and Addenda. Respond to bidders' inquiries during the bidding period. Prepare addenda to clarify the Contract Documents as necessary.

4.2 Pre-Bid Meeting. Attend a pre-bid meeting and prepare minutes of the meeting.

4.3 Bid Report. Tabulate bids and prepare a bid report.

City of West Lafayette, Indiana

North Side Regional Lift Station

Proposed List of Drawings

General

| | | |
|---|-----|--|
| 1 | G01 | Index, Location Map, Abbreviations and General Notes |
| 2 | G02 | Existing Site Plan |
| 3 | G03 | New Site Plan |
| 4 | G04 | Miscellaneous Details |

Civil – Force Main

| | | |
|----|-----|--------------------------------|
| 5 | C01 | Plan and Profile – Force Mains |
| 6 | C02 | Plan and Profile |
| 7 | C03 | Plan and Profile |
| 8 | C04 | Plan and Profile |
| 9 | C05 | Plan and Profile |
| 10 | C06 | Plan and Profile |
| 11 | C07 | Plan and Profile |
| 12 | C08 | Plan and Profile and Details |

Piping and Equipment – Lift Station

| | | |
|----|-----|---------------------|
| 13 | M01 | Piping Symbols |
| 14 | M02 | Plans and Details |
| 15 | M03 | Section and Details |

Structural

| | | |
|----|-----|----------------------|
| 16 | S01 | General Notes |
| 17 | S02 | Typical Details |
| 18 | S03 | Plans and Sections |
| 19 | S04 | Sections |
| 20 | S05 | Sections and Details |

Architectural

| | | |
|----|-----|---|
| 21 | A01 | Typical Details, Abbreviations, and Symbols |
| 22 | A02 | Grade and Roof Level Plans and Sections |
| 23 | A03 | Elevations and Sections |
| 24 | A04 | Wall Sections |
| 25 | A05 | Schedules and Details |

Heating, Ventilating and Air Conditioning

| | | |
|----|--------|-----------------------------|
| 26 | HVAC01 | Symbols and Abbreviations |
| 27 | HVAC02 | Plans, Sections and Details |
| 28 | HVAC03 | Schedules |

Electrical

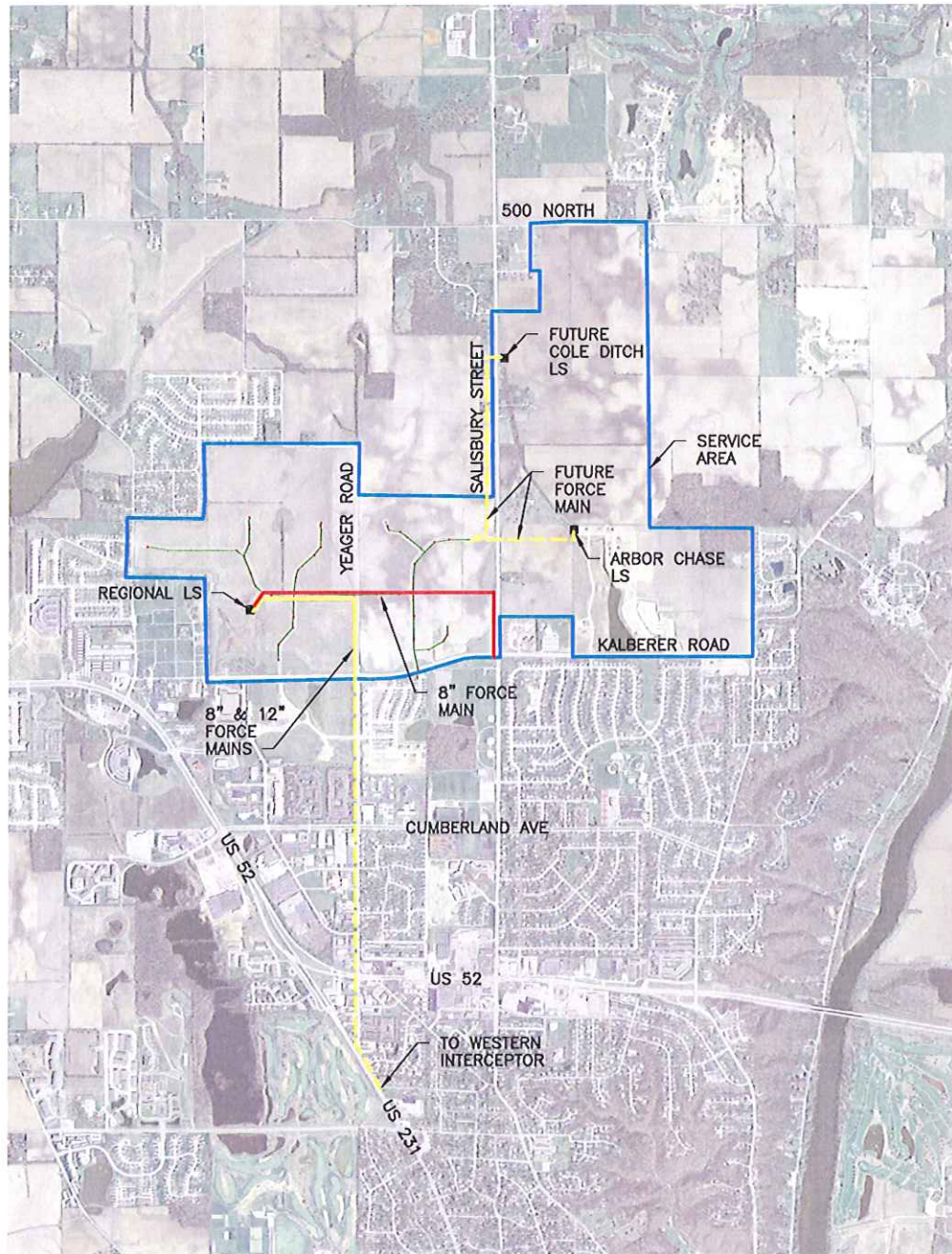
| | | |
|----|-----|---------------------------------------|
| 29 | E01 | Symbols Legend |
| 30 | E02 | Site Plan and Details |
| 31 | E03 | Motor Control Center One Line Diagram |
| 32 | E04 | Schematic Diagrams |
| 33 | E05 | Power Plan |
| 34 | E06 | Lighting Plan |
| 35 | E07 | Schedules and Miscellaneous Details |

Instrumentation and Control

| | | |
|----|-----|---|
| 36 | N01 | Legend |
| 37 | N02 | P&ID and Panel Details, Lift Station Telemetry System |



GREELEY AND HANSEN



LEGEND

- NEAR TERM FORCE MAIN
- LONG TERM FORCE MAIN
- LONG TERM FORCE MAIN (FUTURE)

NORTH SIDE REGIONAL LIFT STATION

SCALE: 1"=2000'



FIGURE 1

WEST LAFAYETTE, INDIANA

EXHIBIT B**AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES**

between
CITY OF WEST LAFAYETTE
and
GREELEY AND HANSEN LLC

Level of Effort

| Task Description | Estimated Workhours | | | | | | Totals |
|--|---------------------|-----------------|-----------------|------------------|--------------------|----------------|--------------|
| | Principal | Project Manager | Senior Engineer | Project Engineer | Designer /CAD Tech | Word Processor | |
| 1.0 GENERAL | | | | | | | |
| 1.1 Project Plan | 0 | 16 | 8 | 8 | 0 | 0 | 32 |
| 1.2 Progress Meetings | 0 | 40 | 8 | 40 | 0 | 16 | 104 |
| Subtotal - General | 0 | 56 | 16 | 48 | 0 | 16 | 136 |
| 2.0 PRELIMINARY DESIGN | | | | | | | |
| 2.1 General and Equipment | 0 | 8 | 8 | 40 | 8 | 4 | 68 |
| 2.2 Architectural | 0 | 8 | 8 | 24 | 16 | 4 | 60 |
| 2.3 Heating, Ventilating, Air Conditioning | 0 | 4 | 8 | 16 | 8 | 4 | 40 |
| 2.4 Electrical | 0 | 8 | 8 | 40 | 8 | 4 | 68 |
| 2.5 Structural Oversight | 0 | 4 | 0 | 8 | 0 | 4 | 16 |
| 2.6 Instrumentation & Control | 0 | 4 | 8 | 24 | 0 | 4 | 40 |
| 2.7 Force Main | 0 | 4 | 0 | 8 | 8 | 4 | 24 |
| 2.8 Force Main - Surge Analyses | 0 | 4 | 8 | 24 | 8 | 4 | 48 |
| 2.9 Survey | 0 | 4 | 0 | 8 | 8 | 0 | 20 |
| 2.10 Geotechnical Report | 0 | 4 | 0 | 8 | 4 | 0 | 16 |
| 2.11 Preliminary Cost Opinion | 0 | 4 | 8 | 16 | 16 | 0 | 44 |
| Subtotal - Preliminary Design | 0 | 56 | 56 | 216 | 84 | 32 | 444 |
| 3.0 FINAL DESIGN | | | | | | | |
| 3.1 Drawings | 4 | 120 | 160 | 400 | 500 | 0 | 1184 |
| 3.2 Specifications | 4 | 20 | 40 | 160 | 0 | 40 | 264 |
| 3.3 Final Cost Opinion | 0 | 4 | 8 | 20 | 16 | 0 | 48 |
| 3.4 Permit Applications | 0 | 4 | 0 | 40 | 40 | 4 | 88 |
| Subtotal - Final Design | 8 | 148 | 208 | 620 | 556 | 44 | 1,584 |
| 4.0 BID ASSISTANCE | | | | | | | |
| 4.1 Bidder Inquiries | 0 | 8 | 4 | 12 | 0 | 0 | 24 |
| 4.2 Addenda | 0 | 8 | 0 | 8 | 8 | 8 | 32 |
| 4.3 Pre-Bid Meeting | 0 | 8 | 0 | 8 | 0 | 0 | 16 |
| 4.4 Bid Report | 0 | 4 | 0 | 8 | 0 | 0 | 12 |
| Subtotal - Bid Assistance | 0 | 28 | 4 | 36 | 8 | 8 | 84 |
| Totals | 8 | 288 | 284 | 920 | 648 | 100 | 2,248 |

EXHIBIT B

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

between
CITY OF WEST LAFAYETTE
and
GREELEY AND HANSEN LLC

Estimated Compensation

| | Hours | Estimated Rates | Cost |
|---|-----------------|-----------------|----------------|
| 1. Direct Labor: | | | |
| a. Principal | 8 | \$81 | \$648 |
| b. Project Manager | 288 | \$45 | \$12,960 |
| c. Senior Engineer | 284 | \$60 | \$17,040 |
| d. Project Engineers | 920 | \$35 | \$32,200 |
| e. Designers/CAD Technicians | 648 | \$30 | \$19,440 |
| f. Word Processors | 100 | \$15 | \$1,500 |
| Subtotal | 2,248 | | \$83,788 |
| 2. Greeley and Hansen Labor Costs with 3.2 Multiplier | | | \$268,122 |
| 3. Subconsultant Costs | | | |
| a. Structural Design - Fink Roberts Petrie | \$45,000 | | |
| b. Survey - BFS | \$15,000 | | |
| c. Geotechnical - Patriot Environmental | <u>\$10,000</u> | | |
| Total | \$70,000 | | |
| 4. Subconsultant Costs with 1.05 Multiplier | | | \$73,500 |
| 5. Other Direct Costs | | | |
| a. Local Travel ⁽¹⁾ | 1,300 Miles @ | \$0.55 / mile | \$715 |
| b. Reproduction/Printing | 40 sets @ | \$50.00 / set | <u>\$2,000</u> |
| Subtotal | | | \$2,715 |
| 6. Total Compensation (rounded) | | | \$344,300 |

⁽¹⁾ Based on 10 trips at 130 miles per trip.